TKHR Docket No.: 80710-1016

CLAIMS

- 1 1. A container for storing an item comprising:
- an insulating material defining an interior, the insulating material comprising a bio-based
- 3 polyurethane; and
- a temperature-maintaining material disposed within the interior, the temperature-
- 5 maintaining material being arranged to maintain a temperature of an item placed with the
- 6 interior.
- 1 2. The method of claim 1, further comprising an outer shell located about at least a portion
- 2 of the exterior of the insulating material.
- 1 3. The container of claim 2, wherein the outer shell has a lid and at least one opening for
- 2 providing access to the interior, the lid being movable between an open position and a closed
- position, in the closed position the outer shell encasing the interior, in the open position the lid
- 4 providing access to the interior.
- 1 4. The container of claim 2, wherein the outer shell and the insulating material comprise the
- 2 bio-based polyurethane, the polyurethane being configured with a foamed portion and a hardened
- outer skin, the insulating material corresponding to the foamed portion, the outer shell
- 4 corresponding to the hardened outer skin.

- 1 5. The container of claim 2, wherein the outer shell comprises cardboard.
- 1 6. The container of claim 2, wherein the outer shell, the insulating material, and the
- 2 temperature-maintaining material are biodegradable.
- The container of claim 2, wherein the outer shell is a portion of a vehicle.
- 1 8. The container of claim 1, wherein the temperature-maintaining material comprises a
- 2 super-absorbent.
- 1 9. The container of claim 1, wherein the bio-based polyurethane comprises starch.
- 1 10. The container of claim 1, wherein the bio-based polyurethane comprises limestone.
- 1 11. The container of claim 1, wherein the bio-based polyurethane comprises vegetable oil.
- 1 12. The container of claim 1, wherein the bio-based polyurethane comprises castor oil.
- 1 13. The container of claim 1, wherein the bio-based polyurethane comprises soybean oil.
- 1 14. The container of claim 1, wherein the bio-based polyurethane comprises palm oil.

- 1 15. The container of claim 1, wherein the bio-based polyurethane comprises peanut oil.
- 1 16. The container of claim 1, wherein the bio-based polyurethane comprises rap seed oil.
- 1 17. The container of claim 1, wherein the bio-based polyurethane comprises cotton seed oil.
- 1 18. The container of claim 1, wherein the bio-based polyurethane comprises sunflower oil.
- 1 19. The container of claim 1, wherein the bio-based polyurethane comprises linseed oil.
- 1 20. The container of claim 1, wherein the bio-based polyurethane comprises lard.

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	21.	A method comprising:
2		providing a container, the container having:
3		an insulating material defining an interior, the insulating material
4	compi	rising a bio-based polyurethane; and
5		a temperature-maintaining material disposed within the interior, the
6		temperature-maintaining material being arranged to maintain a temperature of an item
7		placed with the interior.
1	22.	The method of claim 21, further comprising:
2		placing an item within the interior of the container.
1	23.	The method of claim 22, further comprising:
2		transporting the container with the item stored therein.
1	24.	The method of claim 23, further comprising:
2		freezing the temperature-maintaining material prior to transporting the container with the
3	item	stored therein.
1	25.	The method of claim 22, wherein, in transporting the container, the container is
2	trans	sported via ground transportation.

- 1 26. The method of claim 25, further comprising:
- 2 cooling the transport volume.
- 1 27. The method of claim 25, wherein:
- the method additionally comprises providing a refrigeration unit; and
- cooling the transport volume is accomplished using the refrigeration unit.
- 1 28. The method of claim 23, wherein, in transporting the container, the container is located
- within in a transport volume, the transport volume being defined, at least in part, by an insulating
- 3 material comprising a bio-based polyurethane.
- 1 29. The method of claim 21, wherein, in providing a container, the container is a portion of a
- vehicle that is operative to transport the container with the item stored therein.
- 1 30. The method of claim 21, wherein at least a portion of the temperature –maintaining
- 2 material is air; and
- further comprising cooling at least a portion of the air during transport.
- 1 31. The method of claim 22, wherein, in providing the container, the container is
- 2 manufactured in a vicinity of the item.